

Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10559-268001Application No.
09/747,019**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Debra Bernstein et al.Filing Date
December 21, 2000Group Art Unit
2124 2191

(37 CFR §1.98(b))

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
SK	AA	09/473,571	12/28/1999	Wolrich et al.	—	—	—
	AB	09/475,614	12/30/1999	Wolrich et al.	—	—	—
	AC						
	AD						
	AE						
	AF						
	AG						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AH	WO 01/16697	03/2001	WIPO	—	—		
	AI	WO 01/16698	03/2001	WIPO	—	—		
	AJ	WO 01/16702	03/2001	WIPO	—	—		
	AK	WO 01/16703	03/2001	WIPO	—	—		
	AL	WO 01/16713	03/2001	WIPO	—	—		
	AM	WO 01/16714	03/2001	WIPO	—	—		
	AN	WO 01/16715	03/2001	WIPO	—	—		
	AO	WO 01/16716	03/2001	WIPO	—	—		
	AP	WO 01/16722	03/2001	WIPO	—	—		
	AQ	WO 01/16758	03/2001	WIPO	—	—		
SK	AR	WO 01/18646	03/2001	WIPO	—	—		

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AS	
	AT	
	AU	

Examiner Signature

Sandra S. Romprie

Date Considered

5/21/05

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Filed On 12/01/04

Title of
InventionBREAKPOINT METHOD FOR PARALLEL HARDWARE
THREADS IN MULTITHREADED PROCESSOR

Application Number : 09/747019



Confirmation Number: 3295

First Named Applicant: Debra Bernstein

Attorney Docket Number: 10559-268001

Art Unit: ~~2124~~ 2191

Examiner: Satish Rampuria

Search string: (6223238 or 6223279 or 6247025 or 6256713 or 6272616 or 6275505 or 6279113 or 6289011 or 6298370 or 6307789 or 6324624 or 6345334 or 6347344 or 6351808 or 6356962 or 6373848 or 6360262 or 6389449 or 6393483 or 6415338 or 6426940 or 6427196 or 6430626 or 6434145 or 6463072 or 6532509 or 6552826 or 6560667 or 6577542 or 6584522 or 6587906 or 6606704 or 6625654 or 6629237 or 6631430 or 6631462 or 6661794 or 6667920 or 6668317 or 6681300 or 6694380 or 4023023 or 5113516 or 5363448 or 5436626 or 5600812 or 5652583 or 5717760 or 5933627).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
BL	1	6223238	2001-04-24	Meyer et al.	—	—	—
	2	6223279	2001-04-24	Nishimura et al.	↓	↓	↓
	3	6247025	2001-06-12	Bacon	↓	↓	↓
	4	6256713	2001-07-03	Audityan et al.	↓	↓	↓
	5	6272616	2001-08-07	Fernando et al.	↓	↓	↓
	6	6275505	2001-08-14	O Loughlin et al.	↓	↓	↓
	7	6279113	2001-08-21	Vaidya	↓	↓	↓
	8	6289011	2001-09-11	Seo et al.	↓	↓	↓
	9	6298370	2001-10-02	Tang et al.	↓	↓	↓
	10	6307789	2001-10-23	Wolrich et al.	↓	↓	↓
	11	6324624	2001-11-27	Wolrich et al.	↓	↓	↓
	12	6345334	2002-02-05	Nakagawa et al.	↓	↓	↓
	13	6347344	2002-02-12	Baker et al.	↓	↓	↓
	14	6351808	2002-02-26	Joy et al.	↓	↓	↓
	15	6356962	2002-03-12	Kasper et al.	↓	↓	↓
	16	6373848	2002-04-16	Allison et al.	↓	↓	↓
	17	6360262	2002-03-19	Guenthner et al.	↓	↓	↓
✓	18	6389449	2002-05-14	Nemirovsky et al.	↓	↓	↓

SK	19	6393483	2002-05-21	Latif et al.	—	—	—
	20	6415338	2002-07-02	Habot	↓	↓	↓
	21	6426940	2002-07-30	Seo et al.			
	22	6427196	2002-07-30	Adiletta et al.			
	23	6430626	2002-08-06	Witkowski et al.			
	24	6434145	2002-08-13	Opsasnick et al.			
	25	6463072	2002-10-08	Wolrich et al.			
	26	6532509	2003-03-11	Wolrich et al.			
	27	6552826	2003-04-22	Adler et al.			
	28	6560667	2003-05-06	Wolrich et al.			
	29	6577542	2003-06-10	Wolrich et al.			
	30	6584522	2003-06-24	Wolrich et al.			
	31	6587906	2003-07-01	Wolrich et al.			
	32	6606704	2003-08-12	Adiletta et al.			
	33	6625654	2003-09-23	Wolrich et al.			
	34	6629237	2003-09-30	Wolrich et al.			
	35	6631430	2003-10-07	Wolrich et al.			
	36	6631462	2003-10-07	Wolrich et al.			
	37	6661794	2003-12-09	Wolrich et al.			
	38	6667920	2003-12-23	Wolrich et al.			
	39	6668317	2003-12-23	Bernstein et al.			
	40	6681300	2004-01-20	Wolrich et al.			
	41	6694380	2004-02-17	Wolrich et al.			
	42	4023023	1977-05-10	Bourrez et al.			
	43	5113516	1992-05-12	Johnson			
	44	5363448	1994-11-08	Koopman Jr. et al.			
	45	5436626	1995-07-25	Fujiwara			
	46	5600812	1997-02-04	Park			
	47	5652583	1997-07-29	Kang			
	48	5717760	1998-02-10	Satterfield			
↓	49	5933627	1999-08-03	Parady	↓	↓	↓

Signature

Examiner Name	Date
<i>Satoru S. Rampar</i>	<i>5/2/05</i>

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Filed On 12/01/04

Title of
InventionBREAKPOINT METHOD FOR PARALLEL HARDWARE
THREADS IN MULTITHREADED PROCESSOR

Application Number : 09/747019



Confirmation Number: 3295

First Named Applicant: Debra Bernstein

Attorney Docket Number: 10559-268001

Art Unit: ~~2124~~ 2191

Examiner: Satish Rampuria

Search string: (5568617 or 5574922 or 5574939 or 5592622 or 5606676 or 5613071 or 5613136 or 5623489 or 5627829 or 5630130 or 5644623 or 5649157 or 5659722 or 5680641 or 5689566 or 5692167 or 5699537 or 5717898 or 5721870 or 5742587 or 5742782 or 5742822 or 5745913 or 5751987 or 5761507 or 5761522 or 5781774 or 5784649 or 5784712 or 5796413 or 5797043 or 5809235 or 5809530 or 5812839 or 5812868 or 5828746 or 5828863 or 5832215 or 5835755 or 5854922 or 5860158 or 5886992 or 5887134 or 5890208 or 5892979 or 5905876 or 5905889 or 5915123 or 5933627 or 5659687).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
SR	1	5568617	1996-10-22	Kametani	—	—	—
	2	5574922	1996-11-12	James	↓	↓	↓
	3	5574939	1996-11-12	Keckler et al.	↓	↓	↓
	4	5592622	1997-01-07	Isfeld et al.	↓	↓	↓
	5	5606676	1997-02-25	Grochowski et al.	↓	↓	↓
	6	5613071	1997-03-18	Rankin et al.	↓	↓	↓
	7	5613136	1997-03-18	Casavant et al.	↓	↓	↓
	8	5623489	1997-04-22	Cotton et al.	↓	↓	↓
	9	5627829	1997-05-06	Gleeson et al.	↓	↓	↓
	10	5630130	1997-05-13	Perotto et al.	↓	↓	↓
	11	5644623	1997-07-01	Gulledge	↓	↓	↓
	12	5649157	1997-07-15	Williams	↓	↓	↓
	13	5659722	1997-08-19	Blaner et al.	↓	↓	↓
	14	5680641	1997-10-21	Sidman	↓	↓	↓
	15	5689566	1997-11-18	Nguyen	↓	↓	↓
	16	5692167	1997-11-25	Grochowski et al.	↓	↓	↓
	17	5699537	1997-12-16	Sharangpani et al.	↓	↓	↓

SR	18	5717898	1998-02-10	Kagan et al.	—	—	—
	19	5721870	1998-02-24	Matsumoto			
	20	5742587	1998-04-21	Zornig et al.			
	21	5742782	1998-04-21	Ito et al.			
	22	5742822	1998-04-21	Motomura			
	23	5745913	1998-04-28	Pattin et al.			
	24	5751987	1998-05-12	Mahant Shetti et al.			
	25	5761507	1998-06-02	Govett			
	26	5761522	1998-06-02	Hisanaga et al.			
	27	5781774	1998-07-14	Krick			
	28	5784649	1998-07-21	Begur et al.			
	29	5784712	1998-07-21	Byers et al.			
	30	5796413	1998-08-18	Shipp et al.			
	31	5797043	1998-08-18	Lewis et al.			
	32	5809235	1998-09-15	Sharma et al.			
	33	5809530	1998-09-15	Samra et al.			
	34	5812839	1998-09-22	Hoyt et al.			
	35	5812868	1998-09-22	Moyer et al.			
	36	5828746	1998-10-27	Ardon			
	37	5828863	1998-10-27	Barrett et al.			
	38	5832215	1998-11-03	Kato et al.			
	39	5835755	1998-11-10	Stellwagen Jr.			
	40	5854922	1998-12-29	Gravenstein et al.			
	41	5860158	1999-01-12	Pai et al.			
	42	5886992	1999-03-23	Raatikainen et al.			
	43	5887134	1999-03-23	Ebrahim			
	44	5890208	1999-03-30	Kwon			
	45	5892979	1999-04-06	Shiraki et al.			
	46	5905876	1999-05-18	Pawlowski et al.			
	47	5905889	1999-05-18	Wilhelm Jr.			
	48	5915123	1999-06-22	Mirsky et al.			
	49	5933627	1999-08-03	Parady			
✓	50	5659687	1997-08-19	Kim et al.	✓	✓	✓

Signature

Examiner Name	Date
<i>Daton S. Remy</i>	5/2/05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Filed on 12/01/04

Title of
InventionBREAKPOINT METHOD FOR PARALLEL HARDWARE
THREADS IN MULTITHREADED PROCESSOR

Application Number : 09/747019



Confirmation Number: 3295

First Named Applicant: Debra Bernstein

Attorney Docket Number: 10559-268001

Art Unit: ~~2124~~ 2191

Examiner: Satish Rampuria

Search string: (3373408 or 3478322 or 3792441 or 3913074 or 3940745 or 4130890 or 4392758 or 4400770 or 4514807 or 4523272 or 4724521 or 4745544 or 4777587 or 4866664 or 5073864 or 5140685 or 5142683 or 5155831 or 5155854 or 5168555 or 5173897 or 5255239 or 5263169 or 5347648 or 5357617 or 5367678 or 5390329 or 5392391 or 5392411 or 5392412 or 5404464 or 5404482 or 5428809 or 5432918 or 5442756 or 5448702 or 5450351 or 5452437 or 5459842 or 5463625 or 5467452 or 5481683 or 5487159 or 5517628 or 5517648 or 5542070 or 5542088 or 5544236 or 5550816 or 5557766 or 20020053017 or 20020056037 or 20030041228 or 20030145159 or 20030191866 or 20040039895 or 20040054880 or 20040071152 or 20040073728 or 20040073778 or 20040098496 or 20040109369).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3373408	1968-03-12	Ling			
	2	3478322	1969-11-11	Evans			
	3	3792441	1974-02-12	Wymore et al.			
	4	3913074	1975-10-14	Homberg et al.			
	5	3940745	1976-02-24	Sajeva			
	6	4130890	1978-12-19	Adam			
	7	4392758	1983-07-12	Bowles et al.			
SR	8	4400770	1983-08-23	Chan et al.			
	9	4514807	1985-04-30	Nogi			
	10	4523272	1985-06-11	Fukunaga et al.			
	11	4724521	1988-02-09	Carron et al.			
	12	4745544	1988-05-17	Renner et al.			
	13	4777587	1988-10-11	Case et al.			
	14	4866664	1989-09-12	Burkhardt Jr. et al.			
	15	5073864	1991-12-17	Methvin et al.			

	16	5140685	1992-08-18	Sipple et al.	—	—	—
	17	5142683	1992-08-25	Burkhardt Jr. et al.			
	18	5155831	1992-10-13	Emma et al.			
	19	5155854	1992-10-13	Flynn et al.			
	20	5168555	1992-12-01	Byers et al.			
	21	5173897	1992-12-22	Schrodi et al.			
	22	5255239	1993-10-19	Taborn et al.			
	23	5263169	1993-11-16	Genusov et al.			
	24	5347648	1994-09-13	Stamm et al.			
	25	5357617	1994-10-18	Davis et al.			
	26	5367678	1994-11-22	Lee et al.			
	27	5390329	1995-02-14	Gaertner et al.			
	28	5392391	1995-02-21	Caulk Jr. et al.			
	29	5392411	1995-02-21	Ozaki			
	30	5392412	1995-02-21	McKenna			
	31	5404464	1995-04-04	Bennett			
SR	32	5404482	1995-04-04	Stamm et al.			
	33	5428809	1995-06-27	Coffin et al.			
	34	5432918	1995-07-11	Stamm			
	35	5442756	1995-08-15	Grochowski et al.			
	36	5448702	1995-09-05	Garcia Jr. et al.			
	37	5450351	1995-09-12	Heddes			
	38	5452437	1995-09-19	Richey et al.			
	39	5459842	1995-10-17	Begun et al.			
	40	5463625	1995-10-31	Yasrebi			
	41	5467452	1995-11-14	Blum et al.			
	42	5481683	1996-01-02	Karim			
	43	5487159	1996-01-23	Byers et al.			
	44	5517628	1996-05-14	Morrison et al.			
	45	5517648	1996-05-14	Bertone et al.			
	46	5542070	1996-07-30	LeBlanc et al.			
	47	5542088	1996-07-30	Jennings Jr. et al.			
	48	5544236	1996-08-06	Andruska et al.			
	49	5550816	1996-08-27	Hardwick et al.			
	50	5557766	1996-09-17	Takiguchi et al.	↓	↓	↓

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
SR	1	20020053017	2002-05-02	Adiletta et al.			
	2	20020056037	2002-05-09	Wolrich et al.			
	3	20030041228	2003-02-27	Rosenbluth et al.			
	4	20030145159	2003-07-31	Adiletta et al.	↓	↓	↓

SR	5	20030191866	2003-10-09	Wolrich et al.	—	—	—
↓	6	20040039895	2004-02-26	Wolrich et al.	↓	↓	↓
↓	7	20040054880	2004-03-18	Bernstein et al.	↓	↓	↓
↓	8	20040071152	2004-04-15	Wolrich et al.	↓	↓	↓
↓	9	20040073728	2004-04-15	Wolrich et al.	↓	↓	↓
↓	10	20040073778	2004-04-15	Adiletta et al.	↓	↓	↓
↓	11	20040098496	2004-05-20	Wolrich et al.	↓	↓	↓
↓	12	20040109369	2004-06-10	Wolrich et al.	↓	↓	↓

Signature

Examiner Name	Date
<i>Eaton S. Rompura</i>	5/21/05

#3

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Filed on 12/01/04

Title of
InventionBREAKPOINT METHOD FOR PARALLEL HARDWARE
THREADS IN MULTITHREADED PROCESSOR

Application Number : 09/747019



Confirmation Number: 3295

First Named Applicant: Debra Bernstein

Attorney Docket Number: 10559-268001

Art Unit: ~~2124~~ 2191

Examiner: Satish Rampuria

Search string: (5937187 or 5938736 or 5940612 or 5940866 or 5946487 or 5948081 or 5951679 or 5958031 or 5961628 or 5970013 or 5978838 or 5983274 or 5996068 or 6002881 or 6009515 or 6012151 or 6014729 or 6023742 or 6029228 or 6058168 or 6058465 or 6067585 or 6070231 or 6072781 or 6073215 or 6076158 or 6079008 or 6079014 or 6085215 or 6085294 or 6092127 or 6092158 or 6092175 or 6112016 or 6115811 or 6134665 or 6141689 or 6141765 or 6144669 or 6145054 or 6157955 or 6160562 or 6182177 or 6195676 or 6199133 or 6201807 or 6212542 or 6212611 or 6216220 or 6223207).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
8K	1	5937187	1999-08-10	Kosche et al.	—	—	—
	2	5938736	1999-08-17	Muller et al.			
	3	5940612	1999-08-17	Brady et al.			
	4	5940866	1999-08-17	Chisholm et al.			
	5	5946487	1999-08-31	Dangelo			
	6	5948081	1999-09-07	Foster			
	7	5951679	1999-09-14	Anderson et al.			
	8	5958031	1999-09-28	Kim			
	9	5961628	1999-10-05	Nguyen et al.			
	10	5970013	1999-10-19	Fischer et al.			
	11	5978838	1999-11-02	Mohamed et al.			
	12	5983274	1999-11-09	Hyder et al.			
	13	5996068	1999-11-30	Dwyer III et al.			
	14	6002881	1999-12-14	York et al.			
	15	6009515	1999-12-28	Steele Jr.			
	16	6012151	2000-01-04	Mano			
	17	6014729	2000-01-11	Lannan et al.			
✓	18	6023742	2000-02-08	Ebeling et al.	✓	✓	✓

82	19	6029228	2000-02-22	Cai et al.	—	—	—
	20	6058168	2000-05-02	Braband			
	21	6058465	2000-05-02	Nguyen			
	22	6067585	2000-05-23	Hoang			
	23	6070231	2000-05-30	Ottinger			
	24	6072781	2000-06-06	Feeney et al.			
	25	6073215	2000-06-06	Snyder			
	26	6076158	2000-06-13	Sites et al.			
	27	6079008	2000-06-20	Clery III			
	28	6079014	2000-06-20	Papworth et al.			
	29	6085215	2000-07-04	Ramakrishnan et al.			
	30	6085294	2000-07-04	Van Doren et al.			
	31	6092127	2000-07-18	Tausheck			
	32	6092158	2000-07-18	Harriman et al.			
	33	6092175	2000-07-18	Levy et al.			
	34	6112016	2000-08-29	MacWilliams et al.			
	35	6115811	2000-09-05	Steele Jr.			
	36	6134665	2000-10-17	Klein et al.			
	37	6141689	2000-10-31	Yasrebi			
	38	6141765	2000-10-31	Sherman			
	39	6144669	2000-11-07	Williams et al.			
	40	6145054	2000-11-07	Mehrotra et al.			
	41	6157955	2000-12-05	Narad et al.			
	42	6160562	2000-12-12	Chin et al.			
	43	6182177	2001-01-30	Harriman			
	44	6195676	2001-02-27	Spix et al.			
	45	6199133	2001-03-06	Schnell			
	46	6201807	2001-03-18	Prasanna			
	47	6212542	2001-04-03	Kahle et al.			
	48	6212611	2001-04-03	Nizar et al.			
	49	6216220	2001-04-10	Hwang			
✓	50	6223207	2001-04-24	Lucovsky et al.	✓	✓	✓

Signature

Examiner Name	Date
Satish J. Ramprasad	5/2/05